ABSTRACT OF THE DISCLOSURE

DYNAMIC INSTRUMENTATION FOR A
MIXED MODE VIRTUAL MACHINE

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The present invention provides a method, apparatus, and computer instructions for dynamic intermediate code transformation in a mixed mode compiler. In an exemplary embodiment, an object code compiler of a virtual-machine, such as the just-in-time (JIT) compiler (415) of a Java virtual

10 machine (JVM), takes loaded classes and compiles these into object code (416). A JIT-enabled dynamic instrumentation (JEDI) interface (420) provides information to an application (e.g., a tool with a GUI), and passes requests for transformation to the JIT (415) and class-loader (410). If loaded, JEDI controls the JIT compiler (415) to compile and transform the class into object

15 code. Thus, dynamically transformed object code is produced without transformation or re-loading of the loaded classes.